Title: Process for Preparing High Barrier Nanocomposites

Inventor(s): Barbee et al.

Serial No.: Unassigned (Continuation of 09/338,222)

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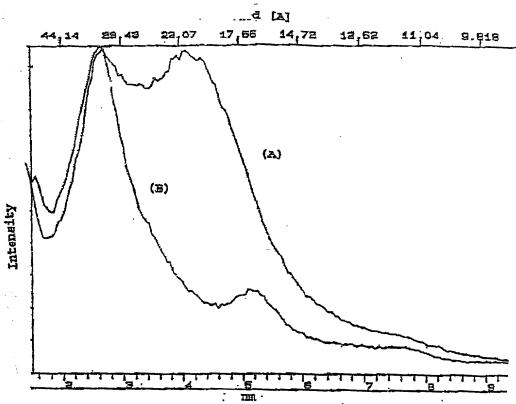


Figure 1. X-ray diffraction patterns of tallow methyl dihydroxyethylammonium montmorillonite expanded with PFTG 6763 and containing (A) 60% clay and (B) 40% clay. X-ray reflections at 3.2 and 2.2 nm correspond to the fully expanded organoclay and partially expanded organoclay, respectively.

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Figure 2

d [A]

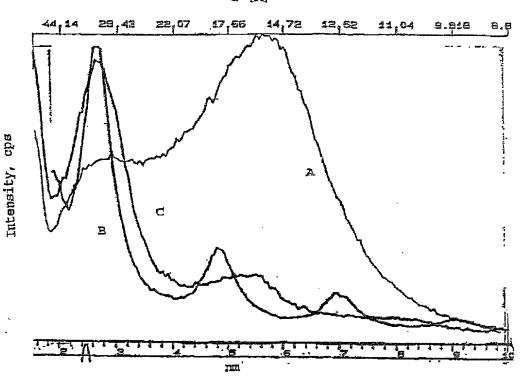


Figure 2. X-ray diffraction patterns of octadecyltrimethylammonium montmorillonite expanded with AQ 55 from water and containing (A) 10% clay, (B) 20% clay, and (C) 55 % clay. X-ray reflections greater than 3.0 nm correspond to the fully expanded organoclay.